

SOUTHWESTERN LABORATORIES, INC.

TEXAS • LOUISIANA • ARKANSAS

ANALYTICAL CHEMISTS
AND TESTING ENGINEERS

Dallas, Texas 7-15-80 File No. _____

Report of: Soils

Reported to: WFAA T.V.

Date received:

Identification: Sample No. 13

Constituant**	Water Soluble	Total
Nickel, ppm	*0.2	15
Cobalt, ppm	*2	300 ✓
Molybdenum, ppm	2	101
Vanadium, ppm	*2	*10
Aluminum, ppm	351	1.19%
Tungsten, ppm	*2	*100
Chromium, ppm	*2	10
Silver, ppm	*1	*1
Lead, ppm	1.5	63
Cadmium, ppm	*0.2	*1
Arsenic, ppm	*0.2	10
Sodium, ppm	962	1600
Potassium, ppm	33.1	150
Nitrate, ppm	1570	-
Phosphate, ppm	*2.3	-
Sulfate, ppm	1973	-
pH	9.3	-
%Water		32.01
Boron, ppm	*2	10
Zinc, ppm	1	42
Tin, ppm	*2	200
Copper, ppm	0.2	19
Selenium, ppm	*0.2	*1
Mercury, ppm	*0.03	*0.2
Manganese, ppm	0.6	131
Nitrite, ppm	37	-

* less than

** All results are reported on a dry sample basis

Lab. No. 13134

Gary Gude
Southwestern Laboratories, Inc.

9141232



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EPC

Date received:

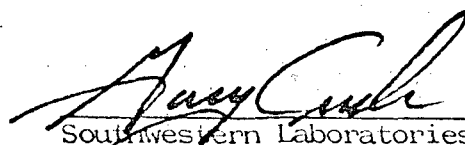
Identification: Sample No. 14

<u>Constituent</u> **	<u>Water Soluble</u>	<u>Total</u>
Nickel, ppm	*0.3	810 ✓
Cobalt, ppm	2.6	1,000 ✓
Molybdenum, ppm	332	1,200
Vanadium, ppm	*3	11
Aluminum, ppm	100	5.16%
Tungsten, ppm	*3	*100
Chromium, ppm	*3	20
Silver, ppm	*1	*1
Lead, ppm	1.2	42
Cadmium, ppm	*0.3	*1
Arsenic, ppm	*0.3	15 ✓
Sodium, ppm	5,520	5,600
Potassium, ppm	37.3	90
Nitrate, ppm	2,640	-
Phosphate, ppm	30.1	-
Sulfate, ppm	8,550	-
pH	9.2	-
%Water		59.13
Boron, ppm	*3	10
Zinc, ppm	*0.3	72 ✓
Tin, ppm	*3	150
Copper, ppm	*0.3	122 ✓
Selenium, ppm	*3	*1
Mercury, ppm	*0.04	*0.2
Manganese, ppm	0.7	67
Nitrite, ppm	71	-

* less than

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Lab. No. D-13134


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Report of: Water

Reported to: WFAA T.V.

Date received:

Identification: Sample #15

Constituant

Nickel, ppm	*0.01
Cobalt, ppm	*0.4 ✓
Molybdenum, ppm	10.1
Vanadium, ppm	*0.1
Aluminum, ppm	15.6
Tungsten, ppm	*0.1
Chromium, ppm	*0.1 ✓
Silver, ppm	*0.01 ✓
Lead, ppm	*0.02 ✓
Cadmium, ppm	*0.01
Arsenic, ppm	*0.01
Sodium, ppm	930
Potassium, ppm	8.18
Nitrate, ppm	513
Phosphate, ppm	3.2
Sulfate, ppm	1,400
pH	9.2
%Water	-
Boron, ppm	*0.1
Zinc, ppm	*0.01
Tin, ppm	*0.1
Copper, ppm	*0.01
Selenium, ppm	*0.01
Mercury, ppm	*0.002
Manganese, ppm	*0.01

* less than

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Report of: Water

Reported to: WFAA T.V.

Date received:

Identification: Sample #16

Constituant

Nickel, ppm	*0.01
Cobalt, ppm	*0.1 ✓
Molybdenum, ppm	0.4
Vanadium, ppm	*0.1
Aluminum, ppm	*0.05
Tungsten, ppm	*0.1
Chromium, ppm	*0.1 ✓
Silver, ppm	*0.01 ✓
Lead, ppm	*0.02 ✓
Cadmium, ppm	*0.01
Arsenic, ppm	0.04 ✓
Sodium, ppm	88.8
Potassium, ppm	1.98
Nitrate, ppm	230
Phosphate, ppm	63
Sulfate, ppm	315
pH	7.1
%Water	-
Boron, ppm	*0.1
Zinc, ppm	*0.01
Tin, ppm	*0.1
Copper, ppm	*0.01
Selenium, ppm	*0.01
Mercury, ppm	*0.002
Manganese, ppm	*0.001

* less than

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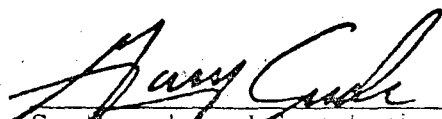
Identification: Sample No. 13

<u>Constituant**</u>	<u>Water Soluble</u>	<u>Total</u>
Nickel, ppm	*0.2	15
Cobalt, ppm	*2	300
Molybdenum, ppm	2	101
Vanadium, ppm	*2	*10
Aluminum, ppm	351	1.19%
Tungsten, ppm	*2	*100
Chromium, ppm	*2	10
Silver, ppm	*1	*1
Lead, ppm	1.5	63
Cadmium, ppm	*0.2	*1
Arsenic, ppm	*0.2	10
Sodium, ppm	962	1600
Potassium, ppm	33.1	150
Nitrate, ppm	1670	-
Phosphate, ppm	*2.3	-
Sulfate, ppm	1973	-
pH	9.3	-
%Water		32.01
Boron, ppm	*2	10
Zinc, ppm	1	42
Tin, ppm	*2	200
Copper, ppm	0.2	19
Selenium, ppm	*0.2	*1
Mercury, ppm	*0.03	*0.2
Manganese, ppm	0.6	131
Nitrite, ppm	37	-

* less than

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Date received:


Identification: Sample No. 14

<u>Constituant**</u>	<u>Water Soluble</u>	<u>Total</u>
Nickel, ppm	*0.3	810
Cobalt, ppm	2.6	1,000
Molybdenum, ppm	332	1,200
Vanadium, ppm	*3	11
Aluminum, ppm	100	5.16%
Tungsten, ppm	*3	*100
Chromium, ppm	*3	20
Silver, ppm	*1	*1
Lead, ppm	1.2	42
Cadmium, ppm	*0.3	*1
Arsenic, ppm	*0.3	15
Sodium, ppm	5,520	5,600
Potassium, ppm	37.3	90
Nitrate, ppm	2,640	-
Phosphate, ppm	30.1	-
Sulfate, ppm	8,550	-
pH	9.2	-
%Water		59.13
Boron, ppm	*3	10
Zinc, ppm	*0.3	72
Tin, ppm	*3	150
Copper, ppm	*0.3	122
Selenium, ppm	*3	*1
Mercury, ppm	*0.04	*0.2
Manganese, ppm	0.7	67
Nitrite, ppm	71	-

* less than

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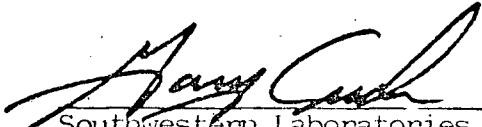
Identification: Sample #15

Constituant

Nickel, ppm	*0.01
Cobalt, ppm	*0.4
Molybdenum, ppm	10.1
Vanadium, ppm	*0.1
Aluminum, ppm	15.6
Tungsten, ppm	*0.1
Chromium, ppm	*0.1
Silver, ppm	*0.01
Lead, ppm	*0.02
Cadmium, ppm	*0.01
Arsenic, ppm	*0.01
Sodium, ppm	930
Potassium, ppm	8.18
Nitrate, ppm	513
Phosphate, ppm	3.2
Sulfate, ppm	1,400
pH	9.2
%Water	-
Boron, ppm	*0.1
Zinc, ppm	*0.01
Tin, ppm	*0.1
Copper, ppm	*0.01
Selenium, ppm	*0.01
Mercury, ppm	*0.002
Manganese, ppm	*0.01

* less than

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Identification: Sample #16

Constituant

Nickel, ppm	*0.01
Cobalt, ppm	*0.1
Molybdenum, ppm	0.4
Vanadium, ppm	*0.1
Aluminum, ppm	*0.05
Tungsten, ppm	*0.1
Chromium, ppm	*0.1
Silver, ppm	*0.01
Lead, ppm	*0.02
Cadmium, ppm	*0.01
Arsenic, ppm	0.04
Sodium, ppm	88.8
Potassium, ppm	1.98
Nitrate, ppm	230
Phosphate, ppm	63
Sulfate, ppm	315
pH	7.1
%Water	-
Boron, ppm	*0.1
Zinc, ppm	*0.01
Tin, ppm	*0.1
Copper, ppm	*0.01
Selenium, ppm	*0.01
Mercury, ppm	*0.002
Manganese, ppm	*0.001

* less than

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